

This permit originally issued to Emery Energy now owned by Tom Oil Co.

Missouri Oil and Gas Council

Form OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐
for an oil well ☒ or gas well ☐

NAME OF COMPANY OR OPERATOR Tom Oil Co. DATE 12/6/85
Route 4 Paola KS 66071
Address City State

DESCRIPTION OF WELL AND LEASE							
Name of lease <u>Agies</u>	Well number <u>A-10</u>	Elevation (ground) <u>1071</u>					
WELL LOCATION (give footage from section lines) <u>165</u> ft. from (N) (S) sec. line <u>336</u> ft. from (E) (W) sec. line							
WELL LOCATION Section <u>4</u> Township <u>46N</u> Range <u>33W</u>		County <u>CASS</u>					
Nearest distance from proposed location to property or lease line: <u>165</u> feet		Distance from proposed location to nearest drilling, completed or applied for well on the same lease: <u>166</u> feet					
Proposed depth <u>680</u>	Drilling contractor, name & address	<input checked="" type="checkbox"/> Rotary or Cable Tools	Approx. date work will start <u>see note</u>				
Number of acres in lease <u>110</u>		Number of wells on lease, including this well, completed in or drilling to this reservoir: _____ Number of abandoned wells on lease: _____					
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____		No. of Wells: producing _____ injection _____ inactive _____ abandoned _____					
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>20,000</u> <input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED							
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.							
Proposed casing program:		Approved casing -- To be filled in by State Geologist					
amt. <u>20</u> <u>660</u>	size <u>7"</u> <u>2-3/8"</u>	wt./ft. <u>30#</u> <u>4.5</u>	cem. <u>no</u> <u>yes</u>	amt. <u>✓</u>	size <u>✓</u>	wt./ft. <u>✓</u>	cem. <u>✓</u>
I, the undersigned, state that I am the <u>Partner</u> of the <u>Tom Oil</u> (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.				Signature <u>Lester Town</u>			

Permit Number: 20184

Approval Date: 12/6/85

Approved By: Wallace B. Hume Bmw

Note: This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned for driller's signature

☒ Drillers log required

☒ E-logs required if run

☒ Core analysis required if run

☒ Drill stem test info. required if run

☐ Samples required

☒ Samples not required

WATER SAMPLES REQUIRED @

DEC 16 1985

MO. OIL & GAS COUNCIL

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

3/12/82

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐NAME OF COMPANY OR OPERATOR Emery Energy, Inc.DATE May 11, 1981R. R. 1 Box 390Osawatomie, KansasKansas 66064

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>Asjes</u>	Well number <u>A-10</u>	Elevation (ground) <u>1071'</u>
WELL LOCATION (give footage from section lines) <u>165</u> ft. from (N) <u>0</u> sec. line <u>336</u> ft. from (E) <u>1</u> sec. line		
WELL LOCATION Section <u>4</u> Township <u>46</u> Range <u>33</u>		County <u>Cass</u>
Nearest distance from proposed location to property or lease line: <u>165</u> feet		Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: <u>166</u> feet
Proposed depth: <u>680</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>5-27-1981</u>
Number of acres in lease: <u>110</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>11</u> Number of abandoned wells on lease: <u>0</u>	
If lease, purchased with one or more wells drilled, from whom purchased: Name <u>McGown Drilling</u> Address <u>Mound City, Kansas</u>		No. of Wells: producing <u>1</u> inactive <u>0</u> abandoned <u>0</u>
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>20,000</u> <input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED		
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.		
Proposed casing program: amt. <u>20"</u> size <u>7"</u> wt./ft. <u>30#</u> cem. <u>no</u> <u>660</u> <u>2-3/8</u> <u>4.5</u> <u>yes</u>		Approved casing - To be filled in by State Geologist amt. size wt./ft. cem. _____ _____ _____ _____
I, the undersigned, state that I am the <u>Vice-President</u> of the <u>Emery Energy, Inc.</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Signature <u>Steven M. Hurst</u>		

Permit Number 20184Approval Date 5/26/81Approved By Wallace B. HurstNote: This Permit not transferable to any other person or to any other location. b.r.h.Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned for driller's signature

☐ SAMPLES REQUIRED☒ SAMPLES NOT REQUIRED

MAY 14 1981

MISSOURI OIL & GAS COUNCIL

WATER SAMPLES REQUIRED @:

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☒ Gas ☐ Dry ☐

Owner Emery Energy		Address RR-1 Box 390 Osawatomie, Mo	
Lease Name (Pipes)		Well Number A-12	
Location 165 FNL & 110' FEL		Sec. - TWP-Range or Block & Survey 4 46N 33W	
County Cass	Permit number (OGC3 number) 20210		
Date spudded 9-16-81	Date total depth reached 9-17-81	Date completed, ready to produce 9-29-81	Elevation (DF, RKB, RT or Gr. feet) 1077
Total depth 601.0	P. B. T. D. 596.5		
Producing interval(s) for this completion 421 to 429		Rotary tools used (interval) From 0 to TD Drilling Fluid used Water & Air	Cable tools used (interval) From None to —
Was this well directionally drilled? NO	Was directional survey made? NO	Was copy of directional survey filed? NO	Date filed 4/5/82
Type of electrical or other logs run (list logs filed with the State Geologist)			Date filed 4/5/82

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb ft)	Depth set	Sacks cement	Am't pulled
Surface	9"	6 1/2"		20'		
Production	5 1/2"	2 1/2"		603'	166 & 4	Bel

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
				N/A	N/A	N/A	N/A

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
1	1 1/2" glass	421 to 429	Water Gel-3	Clay-slab-10
			sand-20-40-10	Salt-1
			sand-12-20-20	

INITIAL PRODUCTION

Date of first production 10-23-82		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): Pumping - See monthly production report					
Date of test None	Hrs. tested NA	Choke size NA	Oil prod. during test NA bbls.	Gas prod. during test NA MCF	Water prod. during test NA bbls.	Oil gravity 26 API (Corr.)	
Tubing pressure 0	Casing pressure 0	Cal'ted rate of Production per 24 hrs.	Oil .25 bbls.	Gas .001 MCF	Water 10 bbls.	Gas-oil ratio 0	

Disposition of gas (state whether vented, used for fuel or sold):

Vented

Method of disposal of mud pit contents:

Hauled away

CERTIFICATE: I, the undersigned, state that I am the **V-Pres** of the **Emery Energy** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

RECEIVED

APR 22 1982

Devin M. Hunt
Signature

RECEIVED

APR 12 1982

MO. OIL & GAS COUNCIL

Remit two copies: one will be returned

MAY 03 1982

MO. OIL & GAS COUNCIL

MO. OIL & GAS COUNCIL

0-6 soil
6-43 lime
43-76 shale
76-85 lime
85-110 shale
110-118 lime
118-122 carb shale
122-164 shale
164-202 lime
202-207 carb shale
207-230 lime
230-235 carb shale
235-246 lime (chert) (a)
246-249 carb shale
249-257 lime
257-288 shale
288-300 sandy shale
300-350 shale
350-362 sand
362-379 shale
379-382 carb shale
382-405 sand
405-413 shale
413-435 sand
435-440 lime
440-443 carb shale
443-446 lime
446-450 carb shale
450-453 coal
453-464 lime
464-476 sand
476-488 shale
488-493 lime
493-499 carb shale
499-504 sand
504-530 sandy shale
530-562 sand
562-595 shale
595-600 lime
600-603 shale
603-608 lime
608-615 shale TD